Week 2: 28-July-2020

L1: JavaScript (ES 6): programming language

Helps us build interactions between us as users and HTML

JS knows your time zone, where you are, the language, what computer you have, browser, has access to camera, GPS,

When coding with JS, open console

When you build a webpage, you have to use HTML, CSS

There is a JavaScript everywhere helping me to interact with a page

When something happens without reloading the page, it’s because of JavaScript

# L2: JavaScript in the browser

JavaScript console: communicating to a JS engine, not where we code, however

# L3: JavaScript variables:

JS, Phyton, Ruby they use variable to move data around.

Variable = empty box where you put content and label so that people understand is your box with shoes

To create a new variable/ box 🡪 use “ > let” = let the browser to create a new variable

Wrap the piece of text between quotation mark: “Shecodes”

E.g.: > let course = “SheCodes”;

Course = label of the box = variable name

I want to put inside the box “SheCodes” – piece of text

How do I see what’s in the box? Type “> course”

If what’s in the box is a number, don’t add “”

Manipulation:

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You cannot create a variable that has the same name than a previously one used.

How to update what’s in the box:

* Just add “> course = SheCodes+”

How to output a sentence with JS:

**JavaScript** | **Output**. **JavaScript Output** defines the ways to display the **output** of a given code. The **output** can be display by using four different ways which are listed below: innerHTML: It is used to access an element. It defines the HTML content.

**JavaScript can "display" data in different ways:**

1. **Writing** into an HTML element, using innerHTML .
2. **Writing** into the HTML **output** using document.**write**() .
3. **Writing** into an alert box, using window.alert() .
4. **Writing** into the browser console, using console.log() .

# L4: JavaScript in HTML

How to inject JS in HTML.

JavaScript: at the bottom of the page, right before closing body </body>

Anything between <script> JavaScript </script>

Function: Alert (“ “); anything that we want to show/ pop up to the user 🡪 alert (“SheCodes”);

How to set the alert the actual name:

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A screenshot of a cell phone

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Give variables a clear and precise name.

The code is read line by line from top to bottom.

Console tells how many mistakes and the lines where they can be found in VS code.

A screenshot of a computer screen

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Function: Prompt function.